

Nuclear Magnetic Resonance Spectrometer,
by V. M. Mamayev.
RUSSIAN, per, Patent No 172116.
•FTD-HT-TI-701

115

Sci - Nucl Sci & Tech
Nov 66

V. M. Mamayev

Kinetics of Alkaline Hydrolysis of the Methyl
Ester of Alanyl Glycyl Glycine in Aqueous Solution,
by D. G. Knorre, G. V. Kukushkina, V. P. Mamayev,
5 pp.

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B-Amino Acids of the Thianaphthene Series, by
V. P. Mamayev, O. P. Shkurko, 4 pp.

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1961, pp 3288-3291.

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Structure of Chlorophenoxyacetic Acids, by
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A Gall Midge *Micropteromyia ghilarovi* Gen. Et Sp.
Nov. (Diptera, Itonididae) with Reduced Wings, by
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Dec 60

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JPRS 7628

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3 pp.

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"Targets on the Ocean," by Naval Capt 1st Rank
Ye. Mamayev, third and last installment of series
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G. 11361

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1. Agriculture--USSR
2. Fertilizers--Development
1. Mamchenkov, I. P.
- II. JPRS-6583
- III. Joint Publications Research
Service, Washington,
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AF 1419499

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AF 1255883

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Sci - Fuels
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Sci - Chemistry, Fuels

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Order from OTS or SLA \$3.60

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Trans. of mono. The Alkylation Reaction in the Production of Aviation Fuels, Baku, 1945, pt. 3, p. 103-162.

DESCRIPTORS: *Alkyl radicals, *Aviation fuels, Production, Chemical reactions, *Hydrocarbons, Thermodynamics, *Ethylenes, Heat of reaction, Octanes, Gasoline, Antiknock, Sulfuric acid, Fractionation, Esters, Chain reactions.

(Materials--Fuels, TT, v. 7, no. 7)

61-20139

1. Title: Isoparaffins
1. Mamedaliev, Yu. G.

Office of Technical Services

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ALKYLATION OF AROMATIC HYDROCARBONS.
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Trans. of mono. The Alkylation Reaction in the Production of Aviation Fuels, Baku, 1945, pt. 1, p. 3-71.

DESCRIPTORS: *Hydrocarbons, Chemical reactions, Production, *Aviation fuels, *Alkyl radicals, Chemical engineering, Sulfuric acid, Catalysts, Fuel oils, Refineries, Benzenes, Gases, Pyrolysis, Gasoline, Kerosene, Octanes, Coal, Coke.

(Materials--Fuels, TT, v. 7, no. 8)

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ALKYLATION OF AROMATIC [HYDROCARBONS]
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Order from OTS or SLA \$2.60 61-20138

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DESCRIPTORS: *Alkyl radicals, Benzenes, Butenes,
Butadienes, Fractionation, Gases, Pyrolysis. *Avia-
tion fuels.. Production, *Hydrocarbons, Reagents,
Ethylenes, Catalysts, Octanes, Gasoline.

(Materials--Fuels, TT, v. 7, no. 7)

61-20138

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Petroleum Oil, by G. M. Mamedaliyev, S. M.
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Jul 58

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Jun 60

Catalytic Transformations of Individual Paraffins
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No 12, 1939, pp 1826-1834
SLA TT-61-16859

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Sci/Chemistry
Jul 66

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Isomeric Transformation of Alkenes over
Aluminosilicates and Their Demethylation in
the Presence of Benzene, by Yu. G. Mamedaliev,
A. V. Topchiev, G. M. Mamedaliev, and G. N.
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<p>Mamedaliev, Yu. G. ALKYLATION OF ISOPARAFFINS. [1961] [36]p. 163 refs. Order from OTS or SLA \$3.60</p> <p>Trans. of mono. <u>The Alkylation Reaction in the Production of Aviation Fuels</u>, Baku, 1945, pt. 3, p. 103-162.</p> <p>DESCRIPTORS: *Alkyl radicals, *Aviation fuels, Production, Chemical reactions, *Hydrocarbons, Thermodynamics, *Ethylenes, Heat of reaction, Octanes, Gasoline, Antiknock, Sulfuric acid, Fractionation, Esters, Chain reactions.</p> <p>(Materials--Fuels, TT, v. 7, no. 1) 8</p>	<p>61-20139</p> <p>1. Title: Isoparaffins 1. Mamedaliev, Yu. G.</p> <p>201425</p> <p>Office of Technical Services</p>
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ALKYLATION OF AROMATIC [HYDROCARBONS]
(CONTINUATION). [1961] [28]p. 163 refs.
Order from OTS or SLA \$2.60

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Trans. of mono. ~~The Alkylation Reaction in the Pro-~~
duction of Aviation Fuels, Baku, 1945, pt. 2, p. 71-102.

DESCRIPTORS: *Alkyl radicals, Benzenes, Butenes,
Butadienes, Fractionation, Gases, Pyrolysis, *Avia-
tion fuels, Production, *Hydrocarbons, Reagents,
Ethylenes, Catalysts, Octanes, Gasoline.

(Materials--Fuels, TT, v. 7, no. 7)

61-20138

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201424

Office of Technical Services

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ALKYLATION OF AROMATIC HYDROCARBONS.
[1961] [44]p. 163 refs.
Order from OTS or SLA \$4.60 61-20137

Trans. of mono. The Alkylation Reaction in the Pro-
duction of Aviation Fuels, Baku, 1945, pt. 1, p. 3-71.

DESCRIPTORS: *Hydrocarbons, Chemical reactions,
Production, *Aviation fuels, *Alkyl radicals, Chemical
engineering, Sulfuric acid, Catalysts, Fuel oils,
Refineries, Benzenes, Gases, Pyrolysis, Gasoline,
Kerosene, Octanes, Coal, Coke.

(Materials--Fuels, TT, v. 7, no. 8)

61-20137

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TO ISOPRENE [1963] 12p.
Order from K-H \$12.00

K-H 10010 a

Trans. of Akademiya Nauk Azerbaidzhanakoi SSR [Baku].
Doklady, 1953, v. 11, no. 12, p. 811-817.

DESCRIPTORS: *Isoprene, *Pentenes, Molecular struc-
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(Chemistry--Organic, TT, v. 10, no. 2)

63-17269

I. Mamedaliev, Yu. G.
II. Dalia, M. A.
III. Shikhmamedbekova, A. Z.
IV. K-H-10010-a
V. Kreege-Hooker Science
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Detroit, Mich.

A269718

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Mamedaliev, Yu. G., Dalin, M. A. and others.
CATALYTIC DEHYDROGENATION OF ISOPENTENES
TO ISOPRENE. [1963] 11p.
Order from K-H \$11.00

K-H 10010 b

Trans. of Akademiya Nauk Azerbaidzhanakol SSR
[Baku], Doklady, 1956, v. 12, no. 8, p. 547-552.

DESCRIPTORS: *Isoprene, *Pentenes, Molecular struc-
ture, *Catalysts, Dehydrogenation.

(Chemistry--Organic, TT, v. 10, no. 2)

63-17268

I. Mamedaliev, Yu. G.
II. Dalin, M. A.
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Alkylation and Dealkylation of Benzene and
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by Yu. G. Mamedaliev, G. M. Mamedaliev, 6 pp.

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No 8, Aug 1956, pp 986-991.

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Catalytic Dehydrogenation of the Isopentane
Fraction, by Yu. G. Mamedaliev, et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk Azerbaydzhan
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Trans. of Akademiya Nauk SSSR. Otdelenie Khim-
icheskikh Nauk. Izvestiya, 1946, p. 458-460.

DESCRIPTORS: *Benzenes, *Alkyl radicals, Propenes,
Chemical reactions, Aluminum compounds, Silicates,
Clay, Catalysts, Catalysis.

Experiments of alkylation of benzene with a gaseous
mixture containing 17-19% propane and around 77%
propene in the presence of activated gumbrin clay are
reported. Under 40 atm pressure at an hourly space
velocity of 0.5 and a mole ratio of benzene to propene
of 1:0.45 most of the benzene reacted at 350° was con-
(Chemistry--Organic, TT, v. 7, no. 7) (over)

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(DS-6005)

The Development of Science in Azerbaijan
SSR, by Yu. G. Mamedaliyev, 92 pp.

RUSSIAN, bk, Razvitiye Nauki v Azerbaydzhanе,
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JPRS 8977

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Demethylation and Isomerization of o-Xylene over
Aluminosilicates, by A. V. Topchiev, G. M. Ma-
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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
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Mamedaliev, M. Guseinov, 2 pp.

RUSSIAN, Khimiko-tekhn. Dokl. Ak. Nauk SSSR, Vol. CIX,
No 4, Jul/Aug 1956, pp 781-784.

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Sci - Chem

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Cationic Polymerization of Nuclear-Methylated
Styrenes, α -Methylstyrenes and
Vinylisopropenylbenzenes in the Presence of TiCl_4 .
by Ta. G. Mamedaliev, S. M. Aliev, et al.
RUSSIAN, per, Dok Ak Nauk Azerbaidzhanskoi SSR
Vol XX, No 1, 1964, pp21-26.
ATS-93R77R

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Alkylation of Cycloparaffins, by Yu. G. Mamedaliev,
Z. A. Mamedova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 6,
1957, pp 1063-1066.

Consultants Bureau

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Use of Siloxanes as Anti-Foam Additives in Lubricating Oils, by Ye. G. Mamedaliyev, A. H. Kuliev, L. S. Minturayev.

RUSSIAN, per, Zhur Prikl Khim, Vol XXVI, No 8, 1953, pp 854-859.

Assoc Tech Sv RJ-153

Scientific - Chemistry

Aug 54 G26

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The Oxidation of Isocyanides with Air
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1962.
RUSSIAN, per, Asarhaladzhanski Khimicheski
Zhurnal, No 5, 1962, pp 29-40.
REF ID: A65-10235

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The Alkylation of Cycloparaffins With Olefins,
by Yu. G. Mamedaliev, A. Kuliev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII, No 3,
1953, USSR, pp 471-473.

Assoc Tech Sv RJ-115

Sci - Chemistry

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(SF-1878)

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RUSSIAN, NP, BAKINSKIY RABOCHIY, 12 OCT 1961,
P 2.

JPRS 13876

SCI - MISC
MAY 62

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PREPARATION OF RING-METHYLATED STYRENES, α -METHYLSTYRENES AND VINYLISOPROPENYL-BENZENE BY HETEROGENEOUS VAPOR-PHASE ALKYLATION AND DEHYDROGENATION OF AROMATIC HYDROCARBONS IN A FLUIDIZED BED OF OXIDE CATALYSTS. [1963] 6p
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ATS-86Q71R

Trans. of Akad[emiya] Nauk Azerbaidzhan[skei] SSR [Baku]. Dokl[ady] 1963, v. 19, no. 1, p. 13-18.

DESCRIPTORS: *Styrenes, Methyl radicals, Vinyl radicals, Propenes, *Benzene derivatives, Vapors, Alkylation, Dehydrogenation, Fluidized solids, *Catalysts, Oxides.

(Chemistry--Organic, TT, v. 10, no. 10)

63-22586

1. Title: α -Methyl styrene
2. Title: Vinyl isopropenyl benzene
- I. Mamedaliev, Yu. G.
- II. Mamedaliev, G. M.
- III. Aliev, S. M.
- IV. Guseinov, N. I.
- V. ATS-86Q71R
- VI. Associated Technical Services, Inc., East Orange, N. J.

125237

Office of Technical Services

The Catalytic Reforming of the Light Oil Obtained
from the Pyrolysis of Oil Distillates, by Yu. G.
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JPRS 3455

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Jul 60

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The Preparation of Halogenated Alkylbenzenes
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Scientific - Fuels, Petroleum
Economic - Fuels, Petroleum

Preparation of Aromatic Hydrocarbons by the Catalytic
Treatment of the Products of the Coking of Coal and
of the Pyrolysis and Thermal Cracking of Petroleum,
by A. V. Topchiyev, G. M. Mamedalyev, S. M. Alyev,
12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,
1959, pp 861-874.

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Sci -
May 61

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Production of Aromatic Hydrocarbons by Catalytic
processing of Thermally Cracked Kerosene in
the Presence of Light Oil from the Cracking
of a Petroleum Stock, by G. N. Nemodalyev,
S. M. Alyev, 6 pp.

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No 5, 1958, pp 950-953.

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The Preparation of Carbon Tetrachloride by the
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Catalyst, by Yu. G. Mamedalyev, M. M. Guseinov,
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Sci - Chem
Oct 59

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Mamedli, M. G.
CATALYTIC DESULFURIZATION OF GASOLINE, I.
[1961] 5p. 22 refs.
Order from OTS or SLA \$1.10

61-18242

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18
[no. 1/2] p. 62-68.

DESCRIPTORS: Catalysts, *Gasoline, Sulfur compounds,
Fuels, Clays, Hydrocarbons, Decomposition, Separation.

A study of the suitability of 12 samples of clays from four regions on the Apsheron peninsula in USSR for catalytic desulfurization of gasoline showed that some natural clays can be used without activation for this process, effecting removal of up to 88% of the sulfur from samples with an initial sulfur content of 0.059% at 400°C. However, at this temperature partial cracking may occur and the optimal conditions are thought (Materials--Fuels, TT, v. 6, no. 8) (over)

61-18242

1. Title: Desulfurization
I. Mamedli, M. G.

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Mamedli, M. G.
SYNTHETIC OILS FROM CRACKED DISTILLATES.
[1961] 8p. 11 refs.
Order from OTS or SLA \$1.10

61-16984

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16,
p. 143-150.

DESCRIPTORS: *Lubrication, *Oils, *Waxes, Decom-
position.

The best lubricating oils, satisfying the requirements
for aviation oils with respect to viscosity index, oxida-
tion stability, low pour point and low specific gravity,
as well as high flash point, are obtained from products
of cracking paraffin wax. Polymerization of cracked
distillates to synthetic lubricating oils in the presence
of aluminum chloride takes place not only at low tem-
peratures 125-130°. The qualitative and quantitative
characteristics are identical in both cases. At the
(Chemistry--Organic, TI, v. 6, no. 8) (over)

61-16984

I. Mamedli, M. G.

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Mamedji, M. G. and Aliev, M. S.
SYNTHETIC FUELS PRODUCTION TECHNOLOGY
(k. Voprosa o Tekhnologii Proizvodstva Sinteticheskikh
Topliv). [1961] [12]p. 5 refs. AF 1419499.
Order from OTS or SLA \$1.60

61-28351

- I. Title: T-1 fuel
- I. Mamedji, M. G.
- II. Aliev, M. S.
- III. AF-1 419 499

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii].
Neft' i Gaz (USSR) 1959 [v. 2] no. 2, p. 67-74.

DESCRIPTORS: Industrial production, Chemical analy-
sis, *Jet engine fuels, Fractionation, *Hydrocarbons,
Decomposition, Aluminum compounds, Chlorides,
Catalysis, Catalysts, Distilling plants, Temperature,
Pyrolysis, *Fuels.

197277

Tests showed that it is possible to produce high quality
T-1 jet fuel from the middle fractions of light thermal
cracking products. The established optimum conditions
for catalytic conversion of the hydrocarbons contained
(Engineering--Chemical, TT. v. 7, no. 7) (over)

Office of Technical Services

The Temperature and Pressure Dependence
of the Specific Heat c_p of Water, by
A. M. Mamedov.

RUSSIAN, per, Teplotoenergetika, 1963, No 5, pp 69-70.

ILL. RTS 2329 (On Loan or Purchase)

OTS TP-65-6631

A. M. Mamedov

Aug 65

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CEA-tr-R-1374 Uncl.

EQUATION D'ETAT DE L'EAU LOURDE D₂O D'APRES
LES DONNEES EXPERIMENTALES DE p - v - T.
(Equation of State of D₂O from p-v-T
Experimental Data). A. M. Mamedov. Trans-
lated into French from Teploenergetika,
7: 71-4(1960). 12p. 9093631

Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); \$1.60(fs), \$0.80(mf)
JCL or LC

N-3

61-22995

Mamedov, A. M.
THERMAL COEFFICIENTS OF WATER. [1961].
Order from FT \$7.70 FT-616

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5,
p. 79-81.

DESCRIPTORS: Water, Thermodynamics.

I. Mamedov, A. M.
II. FT-616
III. Paraday Translations,
New York

Office of Technical Services

(Physics--Thermodynamics, TT, v. 6, no. 4)

Equation of State for Heavy Water (D_2O) From
p-v-T Experimental Data, by A. M. Mamedov.

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HLL RFS 1847

Sci - NucPhys

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(FDD 26092)

The Effect of the Stimulation of the Interoceptors of
the Bladder, and Rectum on Intramuscular Pressure, by
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Vol X, No 4, Baku, 1954, pp 297-302.

CIA/FDD U-8249

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Sci - Medicine

May 56

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All-Russian Conference on Public Health, by
A. M. Mamadov, 9 pp.
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JPRS 24248

Sci-Med & Med
Apr 64

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Formation of West Azerbaydshan and East Georgia
By A. V. Mamelov pp. 5

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Nov 62

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Reflex Regulation of the Energy Metabolism of Sheep in
Connexion with Feeding, by D. M. Mamedov, 7 pp.

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UNDER CONDITIONS OF CROSS-FLOW OF FLUIDS
ACROSS THE SEPARATION BOUNDARIES OF A
TWO-LAYER FORMATION. [1961] 4p.
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ATS-40N55R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Neft' i Gaz (USSR) 1961, v. 4, no. 3, p. 43-46.

DESCRIPTORS: *Petroleum, Recovery, Fluid flow,
Boundary layer, Separation.

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Jun 63

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Anisotropy of the Atomic Factor of X-Ray Scattering
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Vol. 21, No. 9, 1951, pp 953-963
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ing Analogs, by V. L. Ievahin, Kh. I. Mamedov, S. R.
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Crystal Chemistry of Calcium Silicates, by
Kh. S. Mamedov.

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Crystal Structure of Mica-Like Hydrous Calcium
Silicates: Okenite, Hekoite, Truscottite and Gyrolite;
New Silicate Radical $[\text{Si}_6\text{O}_{13}]_{\infty}$ by Kh. S. Mamedov,
H. V. Belov, 4 pp.

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The Crystalline Structure of Tricalcium Silicate
Hydrate, by Kh. S. Mamedov, R. F. Klevtsova,
N. V. Belov, 3 pp

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The Crystalline Structure of Tobermorites, by
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61-13149

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ON THE CRYSTALLINE STRUCTURE OF TRICAL-
CIUM SILICATE HYDRATE TSH= $6\text{CaO} \cdot 2\text{SiO}_2 \cdot 3\text{H}_2\text{O} \cdot$
 $\text{Ca}_6[\text{Si}_2\text{O}_7](\text{OH})_6 = \text{Ca}_4[\text{Si}_2\text{O}_7](\text{OH})_2 \cdot 2\text{Ca}(\text{OH})_2$ (O
Kristallicheskoj Struktury Gidratov Trekhval'tsiyevogo
Silkata) tr. by G. N. Gibson. Nov 59, 6p. 7 refs.
LC 926; M1825.
Order from LC or SLA mi\$1.80, ph\$1.80 61-13149

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(Physics--Solid State, TT, v. 5, no. 2)